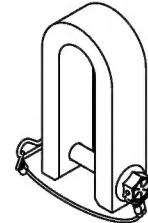
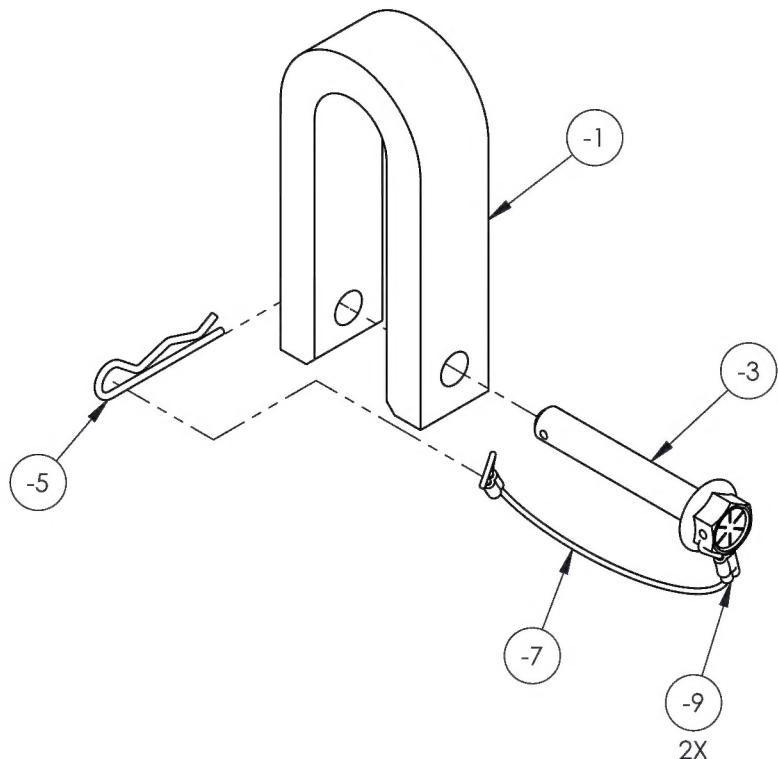


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REVISIONS					
REV	ECR	DESCRIPTION	DATE	INITIAL	APPROVED
A		-1 CH'D B/O INFORMATION FROM 1 X 2-16 X 4/1/4, CH'D NOTE CAPACITY FROM 5,000 TO 3,500 LBS. AND PROOF LOAD FROM 10,000 TO 5,250 LBS.	2/16/2011	RJC	RW
B		-1 CH'D ENGRAVE NOTE WAS PROOF LOAD 5250 IS 5300.	9/20/2011	RJC	DW
3	16-0190	-1 CH'D DIM WAS Ø .386 THRU IS Ø .397 THRU ALL, CH'D ENGRAVE NOTE WAS ENGRAVE CAPACITY IS ENGRAVE SWL, CH'D MATERIAL WAS 4140 IS 4140/4142. -1 & -3 CH'D FINISH WAS CAD PLATE YELLOW IS ZINC PLATE. -3 ADDED DIM (Ø .375), CH'D P/N WAS (MCMASTER-CARR #92316A540) IS MCMASTER-CARR #90201A336.	10/25/2016	RJC	JAG



NOTE:
SWL 3,500 LBS, LOAD TEST TO 7,000 LBS.

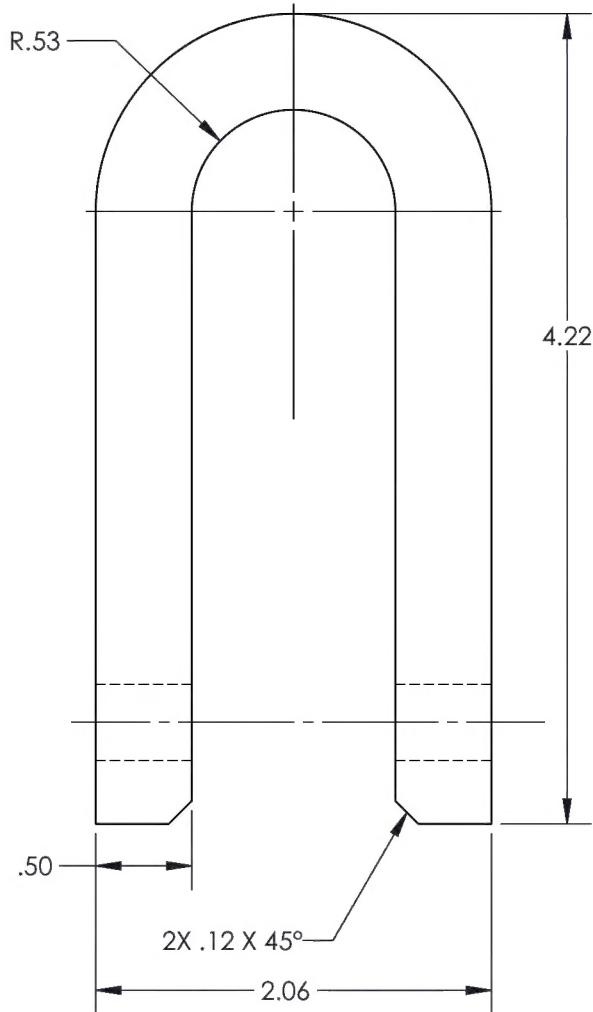
DART
AEROSPACE

TITLE		REV
JET RANGER LIFTING EYE		3
DWG NO.		RBT18539
MAT'L		UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES
HEAT		.XXX ± .005 FRACTIONS ± 1/8
TREAT		.XX ± .01 ANGLES ± 5°
FINISH		X ± .1 SURFACES = 125
SPEC		✓
DRAWN BY:		CLOUGH
CHECKED:		MACKOVJAK
OPPS APPR:		ANDERSON
QA APPR:		LINDSAY
APPROVED:		GILBERT
SCALE		1:2
DATE		10/25/2016
SHEET		1 OF 4

ASSY QTY	ASSY QTY	B/O	Part #	UNIT QTY	Description	Material	B/O INFORMATION OR SPECIFICATIONS	PG.
			-1	1	BELL	4140/4142		2
			-3	1	PIN	STEEL GRD. 9	3/8-16 X 4 (MCMASTER-CARR #90201A336) MODIFIED	3
		B/O	-5	1	HAIRPIN COTTER PIN	STEEL	Ø5/64 X FITS Ø3/8 X 1/2 PIN X 1-5/8 (MCMASTER-CARR #98335A061)	1
		B/O	-7	1	LANYARD CABLE	COATED STEEL	Ø1/16 X 8 (CARR LANE #CL-2-C)	1
		B/O	-9	2	FERRULE	ALUMINUM	Ø1/16 X 3/8 (MCMASTER-CARR #3896T31)	1

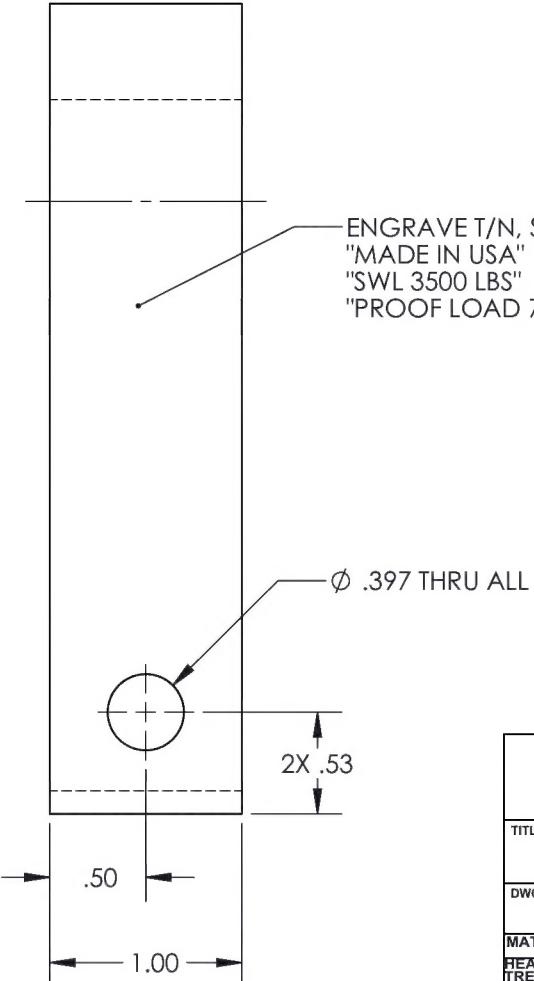
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REVISIONS					
REV	ECR	DESCRIPTION	DATE	INITIAL	APPROVED
B		-1 CH'D ENGRAVE NOTE WAS PROOF LOAD 5250 IS 5300.	9/20/2011	RJC	DW
3	16-0190	-1 CH'D DIM WAS Ø.386 THRU ALL, CH'D ENGRAVE NOTE WAS ENGRAVE CAPACITY IS ENGRAVE SWL, CH'D FINISH WAS CAD PLATE YELLOW IS ZINC PLATE, CH'D MATERIAL WAS 4140 IS 4140/4142.	10/25/2016	RJC	JAG

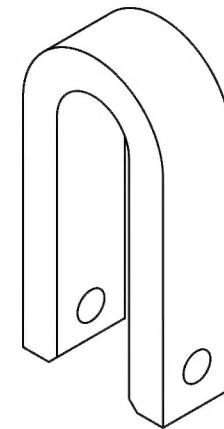


(-1)

BELL



ENGRAVE T/N, S/N,
"MADE IN USA"
"SWL 3500 LBS"
"PROOF LOAD 7000 LBS"



DART AEROSPACE	
TITLE	
JET RANGER LIFTING EYE	
DWG NO.	RBT18539-1
MAT'L	4140/4142
HEAT	RC 32-38
TREAT	.XXX ± .005 FRACTIONS ± 1/8
FINISH	ZINC PLATE
SPEC	ASTM B633 TYPE I SC 2
DRAWN BY:	CLOUGH
CHECKED:	MACKOVJAK
OPPS APPR:	ANDERSON
QA APPR:	LINDSAY
APPROVED:	GILBERT
USED ON MODEL	BELL 206A & 206B
SCALE	1:1
DATE	10/25/2016
SHEET 2 OF 4	

DART
AEROSPACE

RBT18539-1

REV
3

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES

.XXX ± .005 FRACTIONS ± 1/8

.XX ± .01 ANGLES ± 5°

X ± .1 SURFACES = 125 ✓

1. BREAK ALL SHARP EDGES

.015 x 45° OR .015R

2. DIMENSIONAL LIMITS APPLY

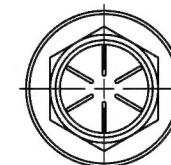
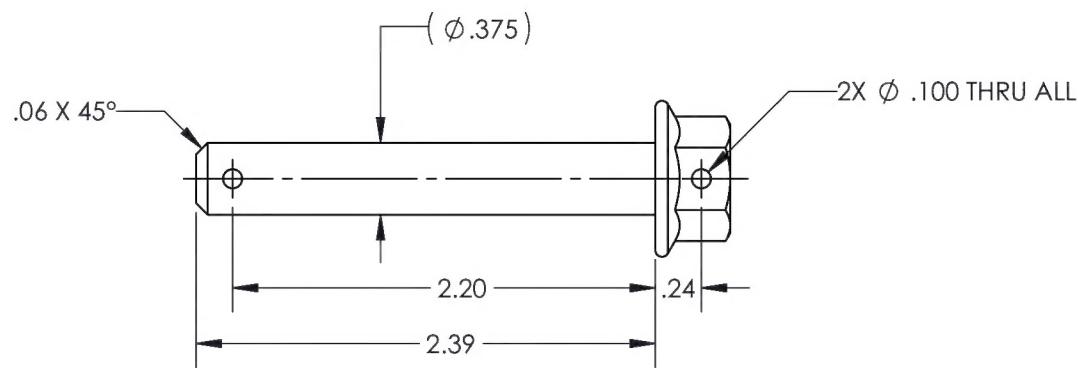
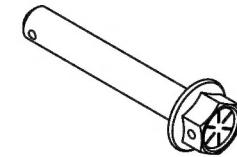
AFTER PLATING

3. INTERPRET DIM AND TOL PER

ASME Y14.5M-2009

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REVISIONS					
REV	ECR	DESCRIPTION	DATE	INITIAL	APPROVED
3	16-0190	-3 ADDED DIM (.375), CH'D P/N WAS (MCMASTER-CARR #92316A540) IS MCMASTER-CARR #90201A336, CH'D FINISH WAS CAD PLATE YELLOW IS ZINC PLATE.	10/25/2016	RJC	JAG



(-3)

PIN

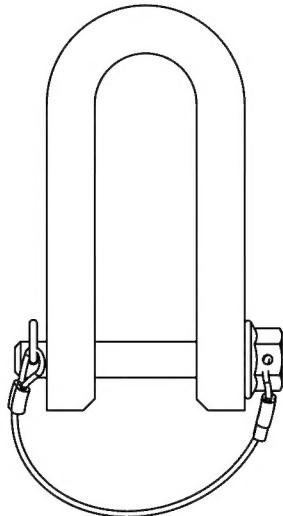
DART AEROSPACE	
TITLE	
JET RANGER LIFTING EYE	
DWG NO. RBT15839-3 REV 3	
MAT'L STEEL GRD. 9 UNLESS OTHERWISE SPECIFIED	
HEAT DIMENSIONS ARE IN INCHES	
TREAT FRACTIONS $\pm \frac{1}{8}$	
FINISH ZINC PLATE .XX $\pm .01$ ANGLES $\pm 5^\circ$	
SPEC ASTM B633 TYPE I SC 2 .X $\pm .1$ SURFACES = 125 ✓	
DRAWN BY: CLOUGH	
CHECKED: MACKOVJAK	
OPPS APPR: ANDERSON	
QA APPR: LINDSAY USED ON MODEL	
APPROVED: GILBERT BELL 206A & 206B	
SCALE 1:1	DATE 10/25/2016
SHEET 3 OF 4	

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190 S. DANEBO AVE., EUGENE OR. 97402
(541)344-9953; fax (541)344-3863
e-mail: sales@dartaero.com

FIRST ARTICLE WEIGHT TEST



INSPECTION & TESTING PROCEDURES FOR THE RBT18539, JET RANGER LIFTING EYE.

THIS ASSEMBLY SHOULD BE INSPECTED BEFORE EACH USE.
REPLACE ANY ITEMS THAT ARE DAMAGED OR SUSPECTED OF DAMAGE BEFORE USING!

FIRST ARTICLE WEIGHT TEST

1. AFTER INSPECTION, ATTACH THE LIFTING EYE TO AN APPROPRIATE TEST WEIGHT OF 7000 LBS.
2. LIFT WEIGHT FOR AT LEAST 5 MINUTES, CONTINUALLY CHECKING FOR CRACKS, DEFLECTION, OR DISTORTION.
3. REMOVE WEIGHT AND RE-INSPECT LIFTING EYE, CHECKING FOR STRESS CRACKS, BENDING, OR DISTORTIONS.

INSPECTOR_____

TESTER_____

S.N._____

DATE_____

DART AEROSPACE	
TITLE	
DWG NO.	
MAT'L	UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES
HEAT	.XXX ± .005 FRACTIONS ± 1/8
TREAT	.XX ± .01 ANGLES ± 5°
FINISH	X ± .1 SURFACES = 125
SPEC	
DRAWN BY:	CLOUGH
CHECKED:	MACKOVJAK
OPPS APPR:	ANDERSON
QA APPR:	LINDSAY
APPROVED:	GILBERT
SCALE	1:2
DATE	10/25/2016
SHEET 4 OF 4	

REV 3

RBT18539

1. BREAK ALL SHARP EDGES .015 x 45° OR .015R

2. DIMENSIONAL LIMITS APPLY AFTER PLATING

3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009

USED ON MODEL

BELL 206A & 206B